

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
27 January 2005 (27.01.2005)

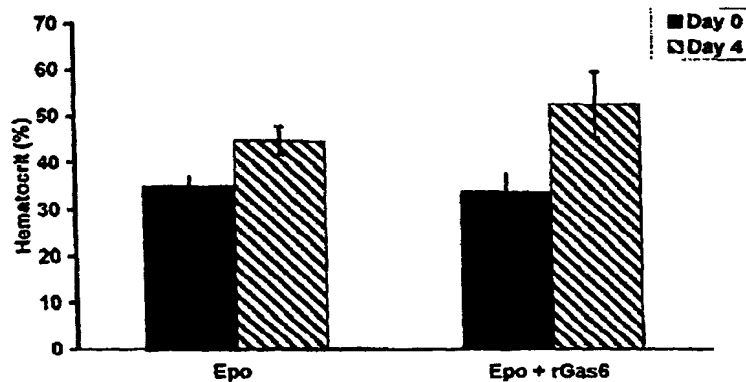
PCT

(10) International Publication Number
WO 2005/007183 A3

- (51) International Patent Classification⁷: **A61K 38/17**,
A61P 7/06
- (21) International Application Number:
PCT/BE2004/000105
- (22) International Filing Date: 19 July 2004 (19.07.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/487,905 17 July 2003 (17.07.2003) US
60/547,842 26 February 2004 (26.02.2004) US
- (71) Applicant (for all designated States except US):
THROMB-X NV [BE/BE]; C/O Dienst Prof Collen,
Campus Gasthuisberg, Herestraat 49, 3000 Leuven (BE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **ANGELILLO-
SCHERRER, Anne** [CH/CH]; 7, Chaussée des
Champs-de Chaux, 1222 Vérenaz (CH). **CARMELIET,
Peter** [BE/BE]; Sapellenbos 10, 3052 Oud-Heverlee (BE).
- (74) Agents: **BIRD, William, E.** et al.; Bird Goën & Co, Klein
Dalenstraat 42A, B-3020 Winksele (BE).
- (81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.
- (84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: TREATMENT OF ANEMIA



Epo: 10 IU/day

rGas6: 2 microgram/day

(57) Abstract: The present invention relates to a method for the treatment of anemia based on the administration of the product of growth arrest-specific gene 6 (Gas6), its mutants, variants, active derivatives and the physiological tolerated salts of said Gas6 derivatives or of a group of biologically active substances inducing a GAS6 expression or releasing action or of a group of compounds that activate the Sky, Axl or Mer receptor tyrosine kinases. Furthermore the invention relates to a pharmaceutically effective composition to treat anemia. The composition comprises a pharmaceutically effective amount of a product of growth arrestspecific gene 6 (Gas6), or its mutant, variant, active derivative or the physiological tolerated salts of said Gas6 derivative or a biologically active substance that induces GAS6 expression or GAS6 release or a substance that activates the Sky, Axl or Mer receptor tyrosine kinases.

BEST AVAILABLE COPY

WO 2005/007183 A3



Declaration under Rule 4.17:

- of inventorship (Rule 4.17(iv)) for US only

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report:

24 February 2005